

MEMORANDUM



Date: June 5, 2007

To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

From: George M. Burgess
County Manager

Agenda Item No. 8(P)(1)(P)

Subject: Request to Advertise to Refurbish NW 17 Avenue Bascule Bridge Over the Miami River, Located Within Commission Districts 3 and 5 - Project No: 20070495; Contract No: 20070495

Recommendation

This Request to Initiate and Advertise for Construction Contract No: 20070495 has been prepared by the Public Works Department (PWD) and is recommended for approval.

Scope

PROJECT NAME: Refurbish the NW 17 Avenue Bascule Bridge Over the Miami River, Located Within Commission Districts 3 and 5

PROJECT NO: 20070495

CONTRACT NO: 20070495

PROJECT DESCRIPTION: This project consists of but is not limited to the following: furnishing all supervision, labor, required materials, equipment, tools and performing all operations necessary for the coordination of all work, modification and renovation of the NW 17 Avenue Bascule Bridge over the Miami River. The proposed project also consists of repairing and restoring unsound and spalled concrete members of the bridge structure, repairing deteriorated structural steel, reinforcing corroded steel, replacement of the steel roadway floor, replace the center locks of the bridge, remove existing paint (including lead abatement), painting structural steel, and various miscellaneous repairs as indicated in the design plans.

PROJECT LOCATION: Bascule Bridge over Miami River at NW 17 Avenue

PRIMARY COMMISSION DISTRICT: Districts 3 & 5 Audrey M. Edmonson & Bruno A. Barreiro

APPROVAL PATH: Board of County Commissioners

USING DEPARTMENT: Public Works Department

MANAGING DEPARTMENT: Public Works Department

Fiscal Impact / Funding Source

FUNDING SOURCE: Road Impact Fee (RIF) District 2. Any other applicable funding sources may subsidize this project.

PTP FUNDING: No

GOB FUNDING: No

**CAPITAL BUDGET
PROJECTS:**

BUDGET PROJECT / DESCRIPTION

**RTA
ESTIMATE**

Book Page: This project has been programmed in the TIP and \$2,165,143.28 additional funds have been reallocated to cover the estimated costs for repairs for a total of \$7 million. Additional funding for this project will be allocated to this project in the upcoming budget.
Funding Year: 2007-08

6039641-REFURBISH NW 17 AVENUE BRIDGE \$1,065,000.00
Book Page: 74 Funding Year: 2006-07

6039641-REFURBISH NW 17 AVENUE BRIDGE \$3,686,000.00
Book Page: 74 Funding Year: Prior year

Project Totals: \$6,916,143.28

**ESTIMATED CONTRACT
PERIOD:** 365 Calendar Days

**ESTIMATED
CONTINGENCY PERIOD:** 36

**IG FEE INCLUDED IN BASE
CONTRACT:** Yes

ART IN PUBLIC PLACES: No

BASE ESTIMATE: \$6,110,842.22

CONTINGENCY ALLOWANCE (SECTION 2- 8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT AMOUNT	COMMENT
	Infrastructure	10%	\$611,084.22

PERMIT FEES : \$10,000.00 0.00%

**MAINTENANCE OF
TRAFFIC :** \$122,216.84 0.00%

**OFF-DUTY POLICE
OFFICER :** \$62,000.00 0.00%

**TOTAL DEDICATED
ALLOWANCE:** \$194,216.84

2

COST ESTIMATE: \$6,916,143.28

Track Record / Monitor

EXPLANATION: Not applicable - will be provided at the time of award.

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: No

REVIEW COMMITTEE: **MEETING DATE:** 4/11/2007 **SIGNOFF DATE:** 4/11/2007

RESPONSIBLE WAGES: Yes

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:	MEASURE GOAL	COMMENT
	CSBE 0.00% No Measures	
	CWF 13.00%	

MANDATORY CLEARING HOUSE: Yes

CONTRACT MANAGER NAME/PHONE/EMAIL:	Michael Moore	(305) 375-2093	jmc1@miamidade.gov
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PROJECT MANAGER NAME/PHONE/EMAIL:	Octavio Marin	(305) 375-1306	ocm@miamidade.gov
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Background

BACKGROUND: The NW 17 Avenue Bascule Bridge exhibits severe deterioration due to its age and surrounding corrosive environment. This deterioration has reduced the load carrying capacity of the bridge to a point where signs have been placed on the bridge to limit the weight of the vehicles using the bridge. Large emergency vehicles can now cross the bridge only under strict limitations. Excessive bouncing movements and vibrations of the bridge leaves occur due to the inadequacy of the existing locking mechanisms. The Florida Department of Transportation (FDOT) sufficiency rating is 18.4; any rating under 50, (out of 100), is grounds for bridge rehabilitation. PWD experienced delays in securing funding for the project and the outside permitting process was considerably long. However, the Department has been able to secure funding for this project and the outside permitting has been completed. Therefore, to prevent future structural failures, the Department requests approval of this RTA.

CPED2C | BCL05C | BRC SWY | 99110
CPED2C | BCL03C | BRC SWY | 99110 per 4/11/07

BUDGET APPROVAL
FUNDS AVAILABLE:

 OSBM DIRECTOR

4-17-07 *
DATE

APPROVED AS TO
LEGAL SUFFICIENCY:

 COUNTY ATTORNEY

4/17/07
DATE

 ASSISTANT COUNTY
MANAGER

DATE

* THIS CONFIRMS THAT ADDITIONAL
FUNDING HAS BEEN REAVALUATED
FROM RIF 2 CASH CARRYOVER
FOR FY 07-08 PROPOSED BUDGET.



MEMORANDUM

(Revised)

TO: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

DATE: June 5, 2007

FROM: Murray A. Greenberg
County Attorney

SUBJECT: Agenda Item No. 8(P)(1)(P)

Please note any items checked.

- ☐ "4-Day Rule" ("3-Day Rule" for committees) applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Bid waiver requiring County Manager's written recommendation
- ☐ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ Housekeeping item (no policy decision required)
- ☐ No committee review

Approved _____ Mayor

Agenda Item No. 8(P)(1)(P)

Veto _____

06-05-07

Override _____

RESOLUTION NO _____

RESOLUTION APPROVING A PROJECT REQUEST TO ADVERTISE
IN THE AMOUNT OF \$6,916,143.28 FOR MIAMI-DADE COUNTY
PROJECT ENTITLED REFURBISH NW 17 AVENUE BASCULE
BRIDGE OVER THE MIAMI RIVER, LOCATED WITHIN
COMMISSION DISTRICTS 3 AND 5 (PROJECT NO. 20070495)

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board approves the Project Request to Advertise in the amount of \$6,916,143.28 for Miami-Dade County Project Entitled Refurbish NW 17 Avenue Bascule Bridge Over the Miami River, located within Commission Districts 3 and 5 (Project No. 20070495) in substantially the form attached hereto and made a part hereof.

The foregoing resolution was offered by Commissioner _____, who
moved its adoption. The motion was seconded by Commissioner
and upon being put to a vote, the vote was as follows:

Bruno A. Barreiro, Chairman	
Barbara J. Jordan, Vice-Chairwoman	
Jose "Pepe" Diaz	Audrey M. Edmonson
Carlos A. Gimenez	Sally A. Heyman
Joe A. Martinez	Dennis C. Moss
Dorrin D. Rolle	Natacha Seijas
Katy Sorenson	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 5th day of June, 2007. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Richard Seavey



Dept. of Business Development
Project Worksheet

Project/Contract Title: REFURBISHING NW 17TH AVENUE BRIDGE OVER MIAMI RIVER (SIC 16) RC Date: 04/11/2007
Project/Contract No: 20070495 Funding Source: Item No: 3-05
Department: PUBLIC WORKS DEPARTMENT RIF
Estimated Cost of Project/Bid: \$6,999,095.00 Resubmittal Date(s):
Description of Project/Bid: WORK UNDER THIS CONTRACT SHALL INCLUDE, BUT IS NOT LIMITED TO THE FOLLOWING: FURNISHING ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, TOOLS AND PERFORMING ALL OPERATIONS NECESSARY FOR THE COORDINATION OF ALL WORK, MODIFICATION AND RENOVATION OF THE NW 17 AVENUE BRIDGE OVER MIAMI RIVER BY FURNISHING, CONTRACTING, INSTALLING, TESTING AND PLACING IN SATISFACTORY OPERATION CONDITION THE ALTERATIONS, MODIFICATIONS OR RENOVATIONS AS SPECIFIED ON THE PLANS.

Contract Measures Recommendation		
Measure	Program	Goal Percent
No Measure	CSBE	0.00%
Workforce Goal	CWP	13.00%

Reasons for Recommendation

An analysis of the trades required for this project, as well as an analysis of the availability of CSBEs revealed insufficient availability.

An analysis of the factors contained in Section II A of A.O. 3-37 indicate that a 13% Community Workforce Program (CWP) goal is appropriate for this project.


The Designated Target Area (DTA) applicable to this project is the Central Enterprise Zone.

CWP Estimated Workforce: 21
CWP Workforce Recommendation: 3
CWP Designated Target Areas: Enterprise Zones

Analysis for Recommendation of a Goal				
Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
	CSBE	\$0.00	0.00%	
Total		\$0.00	0.00%	

Living Wages: YES ☐ NO ☒ Highway: YES ☐ NO ☒ Heavy Construction: YES ☒ NO ☐
Responsible Wages: YES ☒ NO ☐ Building: YES ☐ NO ☒

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION			
Tier 1 Set Aside			
Set Aside	Level 1	Level 2	Level 3
Trade Set Aside (MCC)	Goal 13% CWP	Bid Preference	
No Measure	Deferred	Selection Factor	
	Date 4/21/07	County Manager	Date

STRATEGIC AREA: Transportation
DEPARTMENT: Public Works

***** FUNDED PROJECTS *****
(dollars in thousands)

RAILROAD IMPROVEMENTS

PROJECT # 6031831

DESCRIPTION: Construct improvements at various railroad crossings

LOCATION: Countywide
Countywide

DISTRICT LOCATED: Countywide
DISTRICT(s) SERVED: Countywide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Secondary Gas Tax	695	695	695	695	695	695	695	695	5,560
TOTAL REVENUE:	695	695	695	695	695	695	695	695	5,560
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Construction	695	695	695	695	695	695	695	695	5,560
TOTAL EXPENDITURES:	695	695	695	695	695	695	695	695	5,560

REFURBISH NW 17 AVENUE BRIDGE

PROJECT # 6039641

DESCRIPTION: Refurbish electrical, mechanical, and structural items on the bascule bridge

LOCATION: Bascule bridge over Miami River at NW 17 Ave
Road Impact Fee District 2

DISTRICT LOCATED: 3, 5
DISTRICT(s) SERVED: 3, 5

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Road Impact Fees	3,686	1,065	0	0	0	0	0	0	4,751
TOTAL REVENUE:	3,686	1,065	0	0	0	0	0	0	4,751
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	151	0	0	0	0	0	0	0	151
Construction	1,000	1,000	1,000	1,600	0	0	0	0	4,600
TOTAL EXPENDITURES:	1,151	1,000	1,000	1,600	0	0	0	0	4,751

REFURBISH SW 296 STREET SONOVOID BRIDGE OVER C-103 CANAL

PROJECT # 603870

DESCRIPTION: Upgrade the structural integrity of the existing sonovoid deck

LOCATION: SW 296 St Sonovoid Bridge over the C-103 Canal
Unincorporated Miami-Dade County

DISTRICT LOCATED: 8
DISTRICT(s) SERVED: 8, 9

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Building Better Communities GOB Program	260	140	0	0	0	0	0	0	400
TOTAL REVENUE:	260	140	0	0	0	0	0	0	400
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	60	0	0	0	0	0	0	60
Construction	0	340	0	0	0	0	0	0	340
TOTAL EXPENDITURES:	0	400	0	0	0	0	0	0	400

BUDGET PROJECT 6039641

Project Title: 6039641-REFURBISH NW 17 AVENUE BRIDGE

Project Desc: Refurbish electrical, mechanical, and structural items on the bascule bridge

Project \$\$	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
(\$\$ in 000's)	10/1/1998	3/30/2007	1,151	1,000	1,000	1,600	0	4,751

Project Type: Capital

CDPWeb Project Milestones (\$ IN 000'S)

<u>Milestone:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Planning/Design	N/A	N/A	151	0	0	0	0	151
Construction	N/A	N/A	1,000	1,000	1,000	1,600	0	4,600

CDPWeb Project Revenue (\$ IN 000'S)

<u>Revenue:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Road Impact Fees	N/A	N/A	3,686	1,065	0	0	0	4,751

EXIT

Current Contracts for Project 6039641

<u>Dept</u>	<u>ContractNo</u>	<u>Contract Name</u>	<u>RTA Budget Allocation</u>	<u>Award Budget Allocation</u>	<u>CIIS Award</u>
PW	20070495	Refurbishing NW 17 Avenue Brid	\$0.00	\$0.00	\$0.00

Current Sites for Project 6039641

<u>Site</u>	<u>Location</u>
68794	NW 17 Ave: Bascule Bridge over Miami River

ITEM NO	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
101-2	MOBILIZATION	1	LS	\$611,084.22	\$611,084.22
102-90	BRIDGE OPERATOR	240	DA	\$600.00	\$144,000.00
110-4	REMOVAL OF EXISTING CONCRETE PAVEMENT	4	SY	\$22.00	\$88.00
121-70-1	FLOWABLE FILL	3	CY	\$200.00	\$600.00
400-4-4	CONCRETE CLASS IV SUPERSTRUCTURE	11	CY	\$1,200.00	\$13,200.00
400-32	CONCRETE FOR JOINT REPAIR	2	CY	\$1,500.00	\$3,000.00
400-97	COATING CONCRETE SURFACES	30100	SF	\$2.00	\$60,200.00
400-134	EPOXY MATERIAL	1	GA	\$70.00	\$70.00
400-135	CRACKS INJECT AND SEAL	100	LF	\$150.00	\$15,000.00
400-145	CLEANING AND COATING CONCRETE SURFACES	30100	LS/SF	\$2.00	\$60,200.00
401-70-1	RESTORE SPALLED AREA (EPOXY)	551	CF	\$800.00	\$440,800.00
401-70-4	RESTORE SPALLED AREA (PCC)	1	CF	\$600.00	\$600.00
415-1	REINFORCING STEEL	2093	LB	\$2.00	\$4,186.00
455-131	WORKING SERVICE PLATFORM	2	EA	\$44,000.00	\$88,000.00
460-3-105	MACHINERY AND CASTINGS (F&I)	3	AS	\$150,000.00	\$450,000.00
460-3-405	MACHINERY AND CASTINGS (REMOVE)	3	AS	\$6,000.00	\$18,000.00
460-3-504	MACHINERY AND CASTINGS (ALIGN) (TRUNNION ASSEM)	6	EA	\$6,000.00	\$36,000.00
460-3-806	MACHINERY AND CASTINGS (RECONDITIONING)	1	LS	\$6,000.00	\$6,000.00
460-95	STRUCTURAL STEEL REPAIRS	139062	LB	\$14.00	\$1,946,868.00
460-101-114	BRIDGE HYDRAULICS (F&I) (TEMP SPAN LOCKS)	3	EA	\$24,000.00	\$72,000.00
460-101-124	BRIDGE HYDRAULICS (F&I) (SPAN LOCKS)	3	EA	\$24,000.00	\$72,000.00
460-121-13	BRIDGE HYDRAULICS (F&I) BUMPER BLOCKS)	8	EA	\$2,000.00	\$16,000.00
460-121-50	MOVABLE BRIDGE COUNTERWEIGHT (BALANCE)	2	EA	\$75,000.00	\$150,000.00
465-71-1	MOVABLE BRIDGE FUNCTIONAL CHECKOUT	1	LS	\$13,000.00	\$13,000.00
504-1-1	FLOOR RDWY STEEL (5" OPEN)	6074	SF	\$100.00	\$607,400.00
504-1-2	SIDEWALK FLOOR STEEL	1716	SF	\$100.00	\$171,600.00
514-71-2	PLASTIC FILTER FABRIC (STABILIZATION)	18	SY	\$3.00	\$54.00
522-2-1	CONCRETE SIDEWALK 4" THICK	9	SY	\$50.00	\$450.00
530-1	RIPRAP (SAND CEMENT)	9	CY	\$700.00	\$6,300.00
536-1-3	GUARDRAIL (BRIDGE APPROACH)	200	LF	\$50.00	\$10,000.00
536-1-6	GUARDRAIL (BRIDGE, THRIE BEAM)	540	LF	\$162.00	\$87,480.00
536-2	GUARDRAIL - SHOP BENT PANELS	100	LF	\$34.00	\$3,400.00
536-73	GUARDRAIL REMOVAL	25	LF	\$6.00	\$150.00
536-85-25	GUARDRAIL END ACHORAGE ASSEMBLY TYPE II	4	EA	\$778.00	\$3,112.00
560-1	PAINTING STRUCTURAL STEEL	1	LS	\$500,000.00	\$500,000.00
560-2	LEAD ABATEMENT	1	LS	\$500,000.00	\$500,000.00
SUBTOTAL					\$6,110,842.22
CONTINGENCY (10%)					\$611,084.22
Police Officer					\$62,000.00
Permit Fees					\$10,000.00
MOT		1	LS	\$122,216.84	\$122,216.84
TOTAL					\$6,916,143.29

Initiation Form for Construction Project

Contract and Specifications Section

Miami-Dade County Public Works Department

Project Number: 20070495 Dsgn # 662900 **Estimated Cost:** \$ 6,999,095.26

Project Name: REFURBISHING NW 17 AVE BRIDGE OVER MIAMI RIVER

Location:(Address/Legal description) NW 17 AVE OVER MIAMI RIVER

Commissioner District Location No.: 5

Contract Period Duration: 365 DAYS

Road Impact Fee District: 2

Indicate Project Type:
(Mark as applicable)

☐ Open Annual
☐ CICC-7040
☐ Option to Renew (OTR)
☐ Other _____

☒ Site Specific
☐ CICC-7360

Funding and Budget:

Capital Budget Code: _____ **Capital Budget Book Page** _____

Index Code: CPE02C BCC05C BRCSWY **Capital Budget Year:** 07-08

Transportation Improvement Plan (TIP) No.: PW000052

Funding Source: ☒ Road Impact Fees ☐ Local Op. Gas Tax ☐ FEMA
(Mark as applicable) ☐ QNIP ☐ UMSA ☐ PTP
☐ Liability Trust ☐ Strm Wtr Util ☐ Cap Otly Rsrve
☐ Sec Gas Tax ☐ Other _____

Managing Department: PUBLIC WORKS

Using Department: _____

Contact Person: (Originator) PRISCILLA MORALES

Telephone: 305 375 4866 **Fax:** 305 679 7738

PLEASE COMPLETE FRONT AND BACK OF THIS FORM TO START THE PROCESS (*)
(*) ITEMS IN BOLD: IF LEFT BLANK; WILL CAUSE THIS FORM TO BE RETURNED TO ORIGINATOR.

Note: THE BACK OF THIS FORM IS FURNISHED FOR YOUR CONVENIENCE; IT IS NOT INTENDED TO BE ALL INCLUSIVE. DEPENDING ON THE PROJECT THE ORIGINATOR MAY BE CONTACTED FOR ADDITIONAL INFORMATION.

Received date stamp:

RECEIVED FEB 01 2007 Contracts & Specifications Public Works Department
